PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference 58719WO009	FOR FURTHER ACTION	Sec item 4 below			
Y stimus application No.	International filing date (day/month/year) 25 August 2004 (25.08.2004)	Priority date (day/month/year) 25 August 2003 (25.08.2003)			
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237					
Applicant 3M INNOVATIVE PROPERTIES O	COMPANY				

1.	This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).				
2.	This REPORT consists of a total of 4 sheets, including this cover sheet. In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.				
3.	This report contains indications relating to the following items:				
	Box No. I	Basis of the report			
	Box No. II	Priority			
	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability			
	Box No. IV	Lack of unity of invention			
	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
	Box No. VI	Certain documents cited			
	Box No. VII	Certain defects in the international application			
	Box No. VIII	Certain observations on the international application			
4.	4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis 2).				

	Date of issuance of this report 13 March 2006 (13.03.2006)
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No. +41 22 740 14 35	Authorized officer Yolaine Cussac Telephone No. +41 22 338 70 80

Form PCT/IB/373 (January 2004)

PATENT COOPERATION TREATY

REC'D 1 0 FFR 2006 INTERNATIONAL SEARCHING AUTHORITY To: TED K. RINGSRED OFFICE OF INTELLECTUAL PROPERTY COUNSEL WRITTEN OPINION OF THE POST OFFICE BOX 33427 INTERNATIONAL SEARCHING AUTHORITY SAINT PAUL, MN 55133-3427 (PCT Rule 43bis.1) Date of mailing 07 FEB 2006 (day/month/year FOR FURTHER ACTION Applicant's or agent's file reference See paragraph 2 below Priority date (day/month/year) 58719WO009 International filing date (day/month/year) International application No. 25 August 2003 (25.08.2003) 25 August 2004 (25.08.2004) International Patent Classification (IPC) or both national classification and IPC PCT/US04/27633 IPC(7): A61N I/30 and US Cl.: 604/20 Applicant 3M INNOVATIVE PROPERTIES COMPANIES 1. This opinion contains indications relating to the following items: Basis of the opinion Box No. I Priority Box No. II Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. III Lack of unity of invention Box No. IV Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial Box No. V applicability; citations and explanations supporting such statement Certain documents cited Box No. VI Certain defects in the international application Box No. VII Certain observations on the international application Box No. VIII 2. FURTHER ACTION If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the in a demand on merinantina perinament is instee, una opinion with the considered to the a winter opinion of the International Preliminary Examining Authority (PIBA') except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.15is(6). that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing

of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Date of completion of this opinion Authorized office Name and mailing address of the ISA/ US Manuel Mendez Mail Stop PCT, Attn: ISA/US 16 January 2006 (16.01.2006) Telephone No. 703-000-000 Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201

Form PCT/ISA/237 (cover sheet) (April 2005)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.	
PCT/US04/27633	

Box No. I Basis of this opinion					
1. With regard to the language, this opinion has been established on the basis of:					
the international application in the language in which it was filed					
a translation of the international application into, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).					
With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:					
a. type of material					
a sequence listing					
table(s) related to the sequence listing					
b. format of material					
on paper					
in electronic form					
c. time of filing/furnishing					
contained in the international application as filed.					
filed together with the international application in electronic form.					
furnished subsequently to this Authority for the purposes of search.					
In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.					
4. Additional comments:					
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Form PCT/ISA/237(Box No. I) (April 2005)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US04/27633

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement							
1. Statement							
Novelty (N)	Claims	1-60	YES				
Hovely (11)	Claims	NONE	ио				
			YES				
Inventive step (IS)	Claims		NO NO				
	Claims	NONE					
Industrial applicability (IA)	Claims	1-60	YES				
Industrial apparently (= 5)	Claims	NONE	NO				
2. Citations and explanations:							
Claims 1-60 meet the criteria set out in PCT Article: microneedle having at least one microneedle that pen compound that is a TLR 6, 7, and/or 9 agonist.	ietrates a biolo	gical parties by no more than 500 pm a	id at loads one its				
Claims 1-60 meet the criteria set out in PCT Article 33(4), and thus meet industrial applicability because the subject matter claimed can be made or used in industry.							
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